

KRUGLAYA, N.I.

Comparative evaluation of the effect of ganglerson, pentamine, and  
dicoline on conditioned reflex regulation of the leukocyte composi-  
tion of the blood. Farm.i toks. 24 no.2:180-186 Mr-Apr '61.

(MIRA 14:6)

1. Kafedra patologicheskoy fiziologii (zav. - prof. N.N.Trankvilitati)  
Stalinskogo gosudarstvennogo meditsinskogo instituta.

(AUTONOMIC DRUGS)

(CONDITIONED RESPONSE)

(LEUKOCYTES)

KRUGLAYA, N.I.

Influence of autonomic ganglionic block on the course of postmicrobial  
leukocytosis. Zhur. mikrobiol., epid. i immun. 32 no.9:84-87 S '61.  
(MIRA 15:2)

1. Iz Stalinskogo meditsinskogo instituta.  
(AUTONOMIC DRUGS) (LEUKOCYTOSIS)  
(ESCHERICHIA COLI)

KRUGLAYA, N.I.

Effect of a vegetative ganglionic block on the course of  
conditioned reflex leucocytosis. Zhur. mikrobiol., epid.  
i immun. 33 no.2:52-55 F '62. (MIRA 15:3)

1. Iz Donetskogo meditsinskogo instituta.  
(NERVOUS SYSTEM, AUTONOMIC)  
(CONDITIONED RESPONSE) (LEUCOCYTOSIS)

KRUCLAYA, N.I.

Effect of some ganglion-blocking substances on the processes of  
leucocytolysis and phagocytosis. Zhur.mikrobiol.epid.i immun. 33  
no.5:119-120 My '62. (MIRA 15:8)

1. Iz Donetskogo meditsinskogo instituta.  
(AUTONOMIC DRUGS) (LEUCOCYTES) (PHAGOCYTOSIS)

KRUGLAYA, N.I.

Effect of a block of vegetative ganglia on the processes  
of immunogenesis. Zhur. mikrobiol., epid. i immun. 40 no.3:  
117 Mr '63. (MIRA 17:2)

1. Iz Donetskogo meditsinskogo instituta.

1 10001-02 10001-02 (J) 10001-02  
ACC NO: A7003492

SOURCE CODE: UR/0074/06/035/008/1388/1403

AUTHOR: Vyazankin, N. S.; Kruglaya, O. A.

ORG: Laboratory of Polymer stabilization, AN SSSR, Gor'kiy (Laboratoriya stabilizatsii polimerov)

TITLE: Covalent bi-elementorganic compounds

SOURCE: Uspekhi khimii, v. 35, no. 8, 1966, 1388-1403

TOPIC TAGS: organometallic compound, thermal decomposition, photochemistry, organic synthetic process

ABSTRACT: The authors survey recent advances in the field of bi-elementorganic compounds, which they define as compounds containing not only the ordinary organogens (C, H, O, N, Cl, etc.), but also two element-nonorganogens. In cases in which these are metals, the compounds are referred to as biorganometallic. The survey covers methods of synthesis and study of the reactivity of bi-elementorganic compounds with a covalent bond between the elementnonorganogen atoms, covering the literature up to May 1965 (95 references, predominantly Western). Methods of preparation, including reactions of  $R_3SiLi$  and analogous compounds with inorganic or elementorganic halides and the reaction of elementorganic hydrides of group IV with organometallic compounds, are covered. The dis-

Card 1/2

UDC: 547.1'13

0926 0017

L 10602-67  
ACC NR: AL7003492

Discussion of the properties of compounds of the type  $(R_3M)_nM'$ , where  $M = Si$  and its analogs;  $M' = Hg, Cd, Sb$ , etc., includes thermal and photochemical decomposition, reactions with atmospheric oxygen and peroxides, reactions with haloderivatives, and reactions with metals and their salts. Properties of compounds of the  $R_3M-M'R_3$ -type, where  $M$  and  $M'$  are elements of group IVB, are also discussed. Orig. art. has: 14 formulas. [JPRS: 38,970]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 022 / OTH REF: 073

Card 2/2

S/062/62/000/011/008/021  
B101/B144

AUTHORS:

Vyazankin, N. S., Razuvayev, G. A., and Kruglaya, O. A.  
(Shchepetkova)

TITLE:

Reactions of peroxides with hexaethyl distannane and hexaethyl  
disilane

PERIODICAL:

Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh  
nauk, no. 11, 1962, 2008 - 2014

TEXT: The chromatographic analysis of the products of the reaction of  
hexaethyl distannane with tert-butyl peroxide at 130-135°C yielded (in  
moles per mole of decomposed peroxide): 0.54 ethane, 0.87 ethylene, 0.02  
methane, 0.03 butane, 0.87 tert-butanol, 0.94 triethyl-(tert-butoxy) tin,  
and 0.43 of a fraction corresponding to decaethyl tetraastannane by molecular  
weight. Thus hexaethyl distannane reacts with tert-butyl peroxide without  
cleavage of the Sn-Sn bond, which had been observed in the reaction with  
acyl peroxides. A free radical mechanism according to the following reac-  
tions is suggested:  $(CH_3)_3COOC(CH_3)_3 \rightarrow 2(CH_3)_3CO^\cdot$ ;  $(CH_3)_3CO^\cdot \rightarrow CH_3$   
+  $CH_3COCH_3$ ;  $(CH_3)_3CO^\cdot + (C_2H_5)_3Sn-Sn(C_2H_5)_3 \rightarrow (C_2H_5)_3Sn-Sn(C_2H_5)_2OC(CH_3)_3$   
Card 1/4

Reactions of peroxides with...

S/062/62/000/011/008/021  
B101/B144

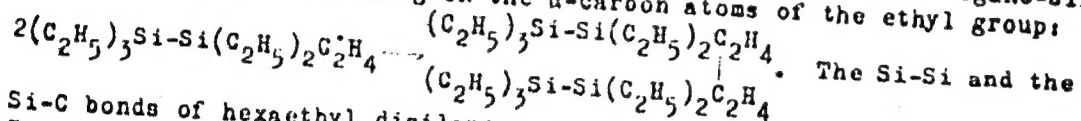
+  $C_2H_5^\cdot$ ;  $R^\cdot + (C_2H_5)_3Sn-Sn(C_2H_5)_3 \rightarrow RH + (C_2H_5)_3Sn-Sn(C_2H_5)_2C_2H_4$ ; where  
 $R = (CH_3)_3CO$ ,  $CH_3$ , or  $C_2H_5$ . Since equimolecular amounts of tert-butanol  
and triethyl-(tert-butoxy) tin were formed, disproportionation of the com-  
pound A and decomposition of the compound B are assumed, the ethylene  
found being also formed from compound B:  $(C_2H_5)_3Sn-Sn(C_2H_5)_2C_2H_4$   
 $\rightarrow (C_2H_5)_3Sn-Sn^\cdot(C_2H_5)_2 + C_2H_4$ ; another reaction gives decaethyl tetra-  
stannane:  $(C_2H_5)_3Sn-Sn^\cdot(C_2H_5)_2 + (C_2H_5)_6Sn_2 \rightarrow (C_2H_5)_{10}Sn_4 + C_2H_5^\cdot$ . It was  
found that tetraethyl tin, after irradiation with UV light, was converted  
to higher organo-tin compounds. These react with  $AlCl_3$ , with separation  
of metallic tin. Non-irradiated tetraethyl tin did not react with  $AlCl_3$ ,  
even at 150°C. For the homologs of hexaethyl distannane of the general  
formula  $(C_2H_5)_3Sn-[Sn(C_2H_5)_2]_n-Sn(C_2H_5)_3$  it is assumed that, under the  
action of  $AlCl_3$ , they react similarly to hexaethyl distannane:  $2(C_2H_5)_6Sn_2$   
 $\rightarrow 3(C_2H_5)_4Sn + Sn$ , and decaethyl tetraastannane:  $2(C_2H_5)_{10}Sn_4 \rightarrow 5(C_2H_5)_4Sn$   
Card 2/4



Reactions of peroxides with...

3/062/62/000/011/008/021  
B101/B144

+ 3Sn. This reaction allowed the molecular weight of the higher organotin compounds to be estimated from the amount of released tin; and it was proven that, in the reaction of hexaethyl distannane with tert-butyl peroxide, other organotin compounds with higher molecular weights were formed besides decaethyl tetraastannane. The reaction of hexaethyl disilane with peroxides proceeds by a free radical mechanism, irrespective of the structure of the peroxide (benzoyl- or tert-butyl peroxide). It starts only at the decomposition temperature of the peroxide. The resulting free radicals tear hydrogen atoms away from the disilane, and the organo-silicon radicals keep on dimerizing on the  $\alpha$ -carbon atoms of the ethyl group:



Si-C bonds of hexaethyl disilane proved stable to homolytic cleaving. There are 2 figures. The most important English-language reference is: A. B. Burg, J. R. Spielman, J. Amer. Chem. Soc., 83, 2667 (1961).

ASSOCIATION: Gor'kovskiy gosudarstvennyy universitet im. N. I. Lobachevskogo  
(Gor'kiy State University imeni N. I. Lobachevskiy)

Card 3/4

Reactions of peroxides with...

S/062/62/000/011/008/021  
B101/B144

SUBMITTED: April 3, 1962

Card 4/4

VYAZANKIN, N.S.; RAZUVAYEV, G.A.; KORNEVA, S.P.; KHUGIAYA, G.A.; GALIULINA, R.P.

Reaction of triethyl tin hydride and its analogs with diethylzinc.

Dokl. AN SSSR 158 no.4:884-887 O '64.

(MIRA 17:11)

1. Laboratoriya stabilizatsii polimerov AN SSSR, Gor'kiy. 2. Chlen-korrespondent AN SSSR (for Razuvayev).

**"APPROVED FOR RELEASE: 06/19/2000**

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**APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000826710016-0"**

L 16085-66 EPF(n)-2/EWP(j)/ENT(m)/EWP(t) IJP(o) RM/WW/JD/JG  
ACC NR: AP6005934 SOURCE CODE: UR/0079/66/036/001/0160/0160

AUTHOR: Vyazankin, N. S.; Mitrofanova, Ye. V.; Kruglaya, O. A.; Razuvayev, G. A.

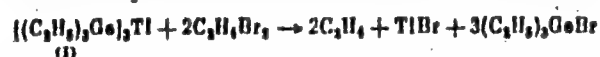
ORG: Laboratory of Polymer Stabilization, Academy of Sciences SSSR, Gor'kiy  
(Laboratoriya stabilizatsii polimerov Akademii nauk SSSR)

TITLE: Tris(triethylgermyl)thallium <sup>27</sup> 27  
74151 B

SOURCE: Zhurnal obshchey khimii, v. 36, no. 1, 1966, 160

TOPIC TAGS: organogermanium compound, thallium compound, organomercury compound

ABSTRACT: Heating of triethylgermane with triethylthallium for 2 hr at 100° produced ethane and tris(triethylgermyl)thallium (I) in high yields. Compound (I) decomposes at 170° into thallium and hexaethyldigermane with quantitative yields. Its reaction with excess dibromoethane is exothermic and ends after 5-7 min at room temperature:



(I) reacts with benzoyl peroxide in 2-3 min at 20° to form triethylbenzoyloxygermane

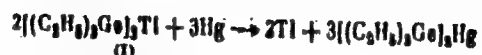
UDC: 547.13 + 546.683

Card 1/2

L 16085-66

ACC NR: AP6005934

(63%);  $C_6H_5COOTl$  is also formed (92%). (I) reacts with mercury as follows:



All the reactions were carried out in evacuated and sealed ampoules from which atmospheric oxygen had been thoroughly removed.

SUB CODE: 07/ SUBM DATE: 17Jul65/ ORIG REF: 000/ OTH REF: 000

Card 2/2

VYAZANKIN, N.S.; KRUGLAYA, O.A.; RAZUVAYEV, G.A.; SEMCHIKOVA, G.S.

Tris-(triethylsilyl)-antimony and its analogs. Dokl. AN SSSR  
166 no.1:99-102 Ja '66. (MIRA 19:1)

1. Laboratoriya stabilizatsii polimerov AN SSSR, Gor'kiy.
2. Chlen-korrespondent AN SSSR (for Razuvayev). Submitted  
April 19, 1965.



KRUGLAYA, Z.I.

Prophylactic work in a medical sector. Vop.okh.mat. 1 det.  
4 no.3:79-80 Hy-Je '59. (MIRA 12:8)

1. Iz gorodskoy detskoy bol'nitsy v Orle (glavnyy vrach  
Z.I.Kruglaya).

(ORLE--PEDIATRICS)

~~KRUGLAYA, Z.Y.~~, inzh.; ~~SOLOV, A.M.~~, kand. tekhn. nauk;  
~~PRIGINA, A.Ya.~~, kand. tekhn. nauk

Plastic parts for cold water supply and sanitary equipment  
of all-metal passenger cars. Trudy TSNII NPS no.242:68-78  
'62. (MIRA 16:6)

(Railroads—Passenger cars)

(Sanitary engineering—Equipment and supplies)  
(Plastics)

GEL'FER, TS.M., inzh., KRUGLAYA, Z.V., inzh.; SOKOV, A.M., kand.  
tekhn. nauk

Foam rubber materials for seat upholstery, mattresses and  
pillows of passenger cars. Trudy ISNII NPS no. 242, 79-90 '62.  
(MIRA 16:6)

(Foam rubber)

(Railroads—Passenger cars)

KRUGLAYA, Z.V., inzh.; DYADIN, A.A., inzh.; SOKOV, A.M., kund. tekhn.  
nauk

Freight car roof made from glassplastics. Trudy TSNII MPS  
no.267:82-93 '63. (MIRA 16:11)

GEL'FER, TS.M., inzh., KRUGLAYA, Z.V., inzh., SOKOV, A.M., kand.  
tekhn. nauk

Polymer roofing materials for freight cars. Trudy TSNII NPS  
no.242:97-101 '62. (MIRA 16:6)

(Roofing) (Plastics)  
(Railroads—Freight cars)

KRUGLYAKOVA, G.I.

Magnetic anomalies of Transcarpathia and their geological interpretation. Geomag. i aer. 2 no.5:976-994 S-O '62. (MIRA 15:10)

1. Institut geofiziki AN SSSR, L'vovskiy filial.  
(Transcarpathia--Magnetic anomalies)

KHUGLENKO, M., slesar'-model'shchik

Achievements of the innovators. Sov.profsoiuzy 7 no.4:44 Mr '59.  
(MIRA 12:4)

1. Liteynyy tsakhkovkogo chuguna zavoda "Krasnaya zvezda," Kirovo-  
grad.

(Kirovograd--Iron and steel workers)

KHUGLENKO, N., inshener

Methodology problem in the planning of freight delivery time.  
Mor. flot 15 no.7:29-30 J1 '55. (MIRA 8:9)  
(Freight and freightage)



KORYAKIN, Sergey Fedorovich, dotsent, kand.ekon.nauk; BERNSHTEYN, Iosif L'vovich, dotsent, kand.ekon.nauk; KLLINSKIY, Yuriy Fedorovich, starshiy prepodavatel'; DOLITSKIY, Ya.I., prof., doktor ekon.nauk, retsenzent; CHERKESOV-TSIBIZOV, A.A., starshiy prepodavatel', retsenzent; PROLOV, A.S., dotsent, kand.tekhn.nauk, retsenzent; KRUGLANKO, N.K., insh., retsenzent; ZOLOTUKHIN, Yu.A., obshchiy red.. V redaktirovaniy prinimali uchastiye: OGANOV, M.K., dotsent, red.; DUBCHAK, V.Kh., insh., red.; MARTIROSOV, A.Ye., insh., red.; KHAR'KOV, G.I., starshiy nauchnyy sotrudnik, red.; KRASHENINNIKOV, V.G., dotsent, kand.ekon.nauk, red.; ORECHTARG, Ye.A., insh., red.; SHCHEGOOLEV, G.G., insh., red.; PRILUTSKIY, M.A., insh., red.; KANTOR, L.M., dotsent, kand.ekon.nauk, red.; KUZ'MIN, T.P., insh., red.; FILIPPOV, K.D., red.. KERNOFONTOVA, Ye.F., red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Economics of water transportation] Ekonomika morskogo transporta.  
Pod obshchei red. IU.A.Zolotukhina. Moskva, Izd-vo "Morskoi transport",  
1959. 391 p. (MIRA 13:3)

(Shipping--Finance)

BRYUM, Abram Isayevich, inzh.; VORONOV, Petr Andreyevich, dotsent, kand. tekhn.nauk [deceased]; GINSBURG, Ruvim Izrailovich, kand.tekhn.nauk; KUTEYNIKOV, Aleksandr Nikolayevich, inzh.; FEDOROV, Aleksandr Timofeyevich, prof. [deceased]; SHAPOVALOV, Petr Borisovich, inzh.; SHIKHIYEV, Fuad Maksimovich, dotsent, kand.tekhn.nauk; YAVLENSEIY, S.D., retsenzent; ~~KRUGLAKO, H.K.~~, retsenzent; MATLIN, G.M., kand. tekhn.nauk, red.; KSENOFONTOVA, Ye.F., red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Sea ports and harbor facilities] Morskije porty i portovye sooruzheniya. Moskva, Izd-vo "Morskoi transport," 1959. 519 p.  
(MIRA 12:12)

(Harbors)

KRUOLINKO, N.

Methods of the industrial planning of harbors. Mor. flot  
20 no. 12:12-15 D '60. (MIRA 13:12)

1. Zamestitel' predsedatelya Tekhnicheskogo soveta Ministerstva  
morskogo flota.  
(Harbors) (Loading and unloading)

FROLOV, Anatoliy Stepanovich; SOYUZOV, A.A., doktor tekhn. nauk, prof.,  
retsenzent; KRUGLENKO, N.K., dots., nauchnyy red.; KSENOFONTOVA,  
Ye.F., red. izd-va; USANOVA, N.B., tekhn. red.

[Over-all organization of the merchant marine and harbor operations; theoretical principles] Kompleksnaya organizatsiya raboty  
flota i portov; teoreticheskie osnovy. Moskva, Izd-vo "Morskoi  
transport," 1962. 229 p. (MIRA 16:2)

(Merchant marine--Cost of operation)  
(Cargo handling)

SUKHOTSKIY, V., dotsent; KRUGLENKO, N., dotsent; PASTERNAK, D., dotsent;  
DUBINSKIY, P., starshiy prepodavatel'; GNATKOV, M.

"Work organization of the merchant marine" by G.E.Gurevich.  
Reviewed by V.Sukhotskii and others. Mor. flot no.5:46 My  
'62. (MIRA 15:5)

1. Odesskiy institut inzhenerov morskogo flota (for Sukhotskiy,  
Kruglenko, Pasternak). 2. Uchenyy sekretar' Tekhnicheskogo  
soveta Ministerstva morskogo flota (for Gnatkov).  
(Merchant marine)

ZARYANKIN, A.Ye., kand.tekhn.nauk; KHAMLENKOV, A.A., inzh.

Study of the exhaust nozzles of condensing steam turbines. Teploenergetika  
10 no.2:41-45 P '63. (MIRA 16:2)

1. Moskovskiy energeticheskiy institut.  
(Steam turbines)

MECHAYEV, Vyacheslav Vasil'yevich; SEMENOVA, M.M., redaktor; FRUK, A.O., redaktor; KHUGLIK, G.I., retsensent; KHOVYAKOV, N.N., retsensent; VOLKOVA, Ye.D., tekhnicheskii redaktor.

[Ship's electrical equipment; with the principles of electrical engineering] Sudovoe elektrooborudovanie; s osnovami elektrotekhniki. Moskva, Izd-vo "Mashnoi transport," 1954. 263 p. [Microfilm] (MLRA 8:2)

(Electricity on ships) (Electric engineering)

SOLOMATIN, V.M.; YAURE, A.G., inzh., retsenzent; KONSTANTINOV, V.P.,  
retsenzent; PETUKHOV, M.N., inzh.; KRUCHIK, G.L.,  
retsenzent; TUPITSA, I.S., retsenzent; PRIK, A.O., inzh.,  
nauchn. red.

[Manual for ship engineers and electricians] Spravochnik  
elektromekhanika i elektrika sudna. Moskva, Izd-vo  
"Rechnoy transport," 1963. 713 p. (MIRA 17:2)



KRUGLIK, G.R., uchitel'nitsa

Chemistry evening. Khim.v shkole 14 no.5:96 S-0 '59.  
(MIRA 12:12)

1. Pyatikhatskaya srednyaya shkola im. S.M.Kirova.  
(Pyatikhatka--Chemistry--Study and teaching)

KRUGLIK, G.S. [Kruhlik, H.S.]

Derivation of equations of the probability method taking the  
identity principle into account. Vestsi AN BSSR. Ser. fiz.-tekh.  
nav. no.3:45-50 '63. (MIRA 16:10)

KRUGLIK, G.S.; APANASEVICH, P.A.

Balance equations allowing for the collective properties  
of a system of identical particles. Dokl. AN BSSR 7 no.10:  
677-680 0 '63. (MIRA 16:11)

1. Institut fiziki AN BSSR. Predstavleno akademikom AN BSSR  
B.I. Stepanovym.

KRUGLIK, G.S.

Effect of the collective properties of a system of identical  
atoms on the scattering of radiation. Opt. i spektr. 19  
no.2:171-176 Ag '65. (MIRA 18:8)

APANASEVICH, P.A.; KRUGLIK, G.S.

Angular distribution of resonance luminescence of vapors. Izv.  
AN SSSR.Ser.fiz. 24 no.5:525-528 My '60.

(MIRA 13:5)

1. Institut fiziki AN BSSR.  
(Luminescence) (Vapors--Optical properties)

KRUGLIK, G. S. and AFANASEVICH, F. A.

"The problem of coherent spontaneous emission."

The report gives the conditions under which coherent spontaneous emission with an intensity proportional to the square of the number of emitted particles were discussed, and it was shown that under general conditions such emission is impossible.

The report presented at the 11th Conference on Luminescence (Molecular luminescence and luminescence analysis) Minsk, 10-15 Sept. 1962.

12.4.11.15.15.  
AID Nr. 997-3 25 June

COHERENT SPONTANEOUS EMISSION (USSR)

Kruglik, G. S., and P. A. Apanasevich. IN: Akademiya nauk SSSR.  
Izvestiya. Seriya fizicheskaya, v. 27, no. 4, Apr 1963, 483-487.  
S/048/63/027/004/005/026

An analysis is given of coherent spontaneous emission taking place in dense systems where many particles exist in the space of a single emission wavelength. The particles cannot be considered independent of each other in the spontaneous emission process. A system of  $n$  identical molecules is postulated, with each molecule possessing only two nondegenerated internal states the energy and wave functions of which are known. The Hamiltonian operator of the system is expressed as the sum of Hamiltonians of separate molecules, and wave functions are expressed in the form of derivatives of wave functions describing the states of individual molecules. Linear combinations of wave functions are formed such that the square of the modulus remains unchanged with permutation of coordinates of molecules. Optical transition probabilities are derived which take into account quenching effects that

Card 1/2

AID Nr. 997-3 25 June

COHERENT SPONTANEOUS EMISSION [Cont'd]

S/048/63/027/004/005/026

lead to finite line widths described in the second approximation by perturbation theory. These probabilities differ from the ones calculated without line width taken into account, in that they include matrix elements of transitions of individual molecules averaged over the total system with a phase multiplier. It is shown that intensity of spontaneous emission in the system is in general not proportional to the population of the initial level. In high-power radiation currents the intensity of spontaneous emission is proportional to the square of the number of particles in the system. [BB]

Card 2/2



KRUGLIK, G.S. [Kruhlik, H.S.]

Balance equations with allowance for scattering processes.

Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.3:35-45 '64.

(MIRA18:2)

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**CIA-RDP86-00513R000826710016-0**

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**CIA-RDP86-00513R000826710016-0"**

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0"

KUROCHKIN, Yuriy Mikhaylovich, zhurnalist; KRUGLIK, I., red.

[Memorable paths; true stories of various years] famiatnye tropy; byli raznykh let. Sverdlovsk, Sredne-Ural'skoe knizhnoe izd-vo, 1964. 142 p.  
(MIRA 18:5)

...: Page 14151A

... ..

$$f_{\text{eff}} = 4 \times 10^{-4} \text{ s}^{-1} \times \left( \frac{1}{2} \times 10^4 \text{ s}^{-1} \right)^{-1} = 2 \times 10^{-8} \text{ s}^{-1}$$

level is not greater than 100 m. The maximum depth of the water is 150 m. The following table shows the distribution of the water level and mountain tops for the different types of terrain.

L 22774-65  
ACCESSION NR: AR5002523

0

Discusses the synoptic conditions for development of fogs of different  
topography of 15 items. 4. Summary

L 9857-63

EWT(1)/EWT(m)/BDS--AFPTC/ASD/ESD-3/AFWL--RM/MAY/IJP(C)

ACCESSION NR: AP3001346

S/0048/63/027/006/0720/0723

AUTHOR: Gurinovich, G. P.; Kruglik, Ye. K.; Sevchenko, A. N.

TITLE: Concerning the shape of luminescence spectra under anti-Stokes excitation  
[Report of the Eleventh Conference on Luminescence held in Minsk from 10 to 15  
September 1962]

SOURCE: AN SSSR. Izv. Seriya fizicheskaya, v. 27, no. 6, 1963, 720-723

TOPIC TAGS: Stokes and anti-Stokes excitation, luminescence of organic molecules,  
fluorescein, rhodamine B, tryptaflavine, eosin, esculin, phthalimides

ABSTRACT: Numerous investigations of the relation between absorption and  
luminescence spectra have shown that for Stokes excitation thermodynamic  
equilibrium is attained during the lifetime of the excited state. Yet the  
existence of the "Stokes cutoff" of the luminescence spectra with excitation in  
the anti-Stokes region implies an energy deficit that is not compensated during  
the excitation lifetime. There is no good theoretical explanation for the  
difference; moreover, most experimental data on the "Stokes cutoff" are rather

Card 1/3

L 9857-63

ACCESSION NR: AP3001346

2

old and in need of verification with the aid of modern techniques. The present work was devoted to investigation of the dependence of the shape of luminescence spectra on the excitation wavelength in the Stokes and anti-Stokes region. The radiation was obtained from mercury and xenon discharge tubes and the desired wavelengths isolated by means of a DMR-1 double monochromator. Care was taken to minimize scattering and to take the remaining scattered radiation into account. For the measurements there were chosen substances and solvents with maximum overlapping of the luminescence and absorption spectra. The luminescent substances studied were fluorescein, rhodamine B, tryptaflavine, eosin, esculin and a series of phthalimide derivatives. The solvents were ethyl alcohol, water, glycerol, benzene, anisole and dioxane. In the case of fluorescein it was found that although the exciting lines extend far into the region of fluorescence, there is no noticeable shortening of the short wavelength part of the fluorescence spectrum. The spectral intensity distribution in the fluorescence spectra of eosin and esculin in alcohol (and esculin in water) shows no excitation wavelength dependence. The picture for the phthalimides is more complicated and somewhat difficult to interpret. Definitive conclusions must await further studies. Orig. art. has: 3 figures.

ASSOCIATION: none

Card 2/3



L 9857-63  
ACCESSION NR: AP3001346

SUBMITTED: 00

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: PH

NR REF SOV: 008

OTHER: 004 FR AID: 29Aug63

ja/nh

Card 3/3

L 26051-66 EWT(1)/EWT(M)/EWT(1) RM  
ACC NR: AP6013896 SOURCE CODE: UR/0020/66/167/006/1269/1272

AUTHOR: Gurinovich, G. P.; Kruzlik, Ye. K.; Sevchenko, A. N. (Academician AN BSSR) <sup>47</sup><sub>46</sub>

ORG: Belorussian State University im. V. I. Lenin (Belorusskiy gosudarstvennyy uni-versitet) <sup>B</sup>

TITLE: Quantum fluorescence yield of solutions of polyatomic molecules during low-wave excitation

SOURCE: AN SSSR. Doklady, v. 167, no. 6, 1966, 1269-1272

TOPIC TAGS: quantum yield, fluorescence, spectral absorptivity, *molecule, photocell*  
STsV-4 *photocell*

ABSTRACT: This paper is a report on experimental studies to determine the reasons for the reduction in quantum radiation yield of polyatomic solutions in the anti-Stokes region. Special measures were taken to assure that the specimens were pure, as well as to eliminate association, ionization, etc., i. e. attention was given to all causes known to result in several types of absorption centers in the solution. These measures resulted in several cases of quantum fluorescence yield which were independent of the excitation wavelength. The specimens were illuminated by light from a mercury (SVDSH-500) or xenon (DKSSH-1000) tube passed through a quartz monochromator. The luminescence was recorded by an STsV-4 photocell. Curves are given showing the absorption, excitation and luminescence spectra and quantum yield for solutions of

UDC: 535.371

Card 1/2

L 26051-66

ACC NR: AP6013896

3,6-tetramethyldiamino-N-methylphthalimide in benzene, rhodamine 6g in ethanol, and eosin in ethanal. It is shown that the quantum fluorescence yield is constant for all solutions and that deviations indicate absorption centers of various types. Orig. art. has: 3 figures.

SUB CODE: 20/

SUBM DATE: 14Dec65/

ORIG REF: 011/

OTH REF: 002

Card 2/2

INOPIH, Ye.V.; KAGANOV, M.I. [Kahanov, M.I.]; KRUGLIXH, A.A. [Kruhlykh, A.A.];  
KHIZHNYAK, M.A. [Khyzhniak, M.A.]

Scientific conference of young scientists at the Physical and  
Technological Institute of the Ukrainian Academy of Sciences. Ukr.  
fiz. zhur. 4 no.3:406-408 My-Je '59. (MIRA 13:2)  
(Physics--Congresses) (Technology--Congresses)

BAZILEVSKAYA, L.S.; BL'KIN, S.B.; KHUOLIKHINA, Z.M.

Preparation of a polyvalence from hydrolyzed complete dysentery antigens.  
Report No. 3. Zhur. mikrobiol. epid. i immun. 29 no.11:62-65 N '58.

(MIRA 12:1)

1. Iz Leningradskogo instituta vaktsin i syvorotok.

(DYSENTERY, BACILLARY, immunol.

polyvalence prep. from various complete hydrolyzed  
dysenterial antibodies (Rus))

KRUGLIKOV, A., polkovnik

Dugout with wooden framing. Tyl i snab.Sov.Voor.Sil 21 no.3:  
86-88 Mr '61. (MIRA 14:6)  
(Russia--Army--Barracks and quarters)

KRUGLIKOV, A. A.

О НАДЕЖНОСТИ И ИСПОЛЬЗОВАНИИ  
ДЕГЛАТОМНЫХ ФОРМАТОВ ПОЛУПРОЦЕССОРА  
И ГИДРОКРИСТАЛЛИЗАЦИИ ЧЕРНОУГОЛЬНЫХ УГЛЕЙ

A. A. Kruglikov

VIII Mendeleev Congress for General and Applied Chemistry in  
Section of Chemistry and Chemical Technology of Fuels,  
publ. by Acad. Sci. USSR, Moscow 1979

abstracts of reports scheduled to be presented at above mentioned congress,  
Moscow, 15 March 1979.

KRUGLIKOV, A. A. Cand Tech Sci -- "Epoxide resins on a base of <sup>phenol</sup> diatomic  
~~summary~~ phenols of <sup>the heat treatment of</sup> ~~thermal reprocessing~~ of solid fuels." Sverdlovsk, 1961.  
(Min of Higher and Secondary Specialized Education RSFSR. Ural Polytechnic  
Inst im S. M. Kirov). (KL, 4-61, 197)

199  
- -



KRUGLIKOV, A. A., kand. tekhn. nauk; BERSENEV, A. P., kand. tekhn. nauk; PERMIKIN, I. P., inzh.; YANOVSKAYA, M. S., inzh.

Using a urea-phenol-formaldehyde glue for making boards from wood particles. Der. prom. 12 no.2:10-11 F '63.  
(MIRA 16:4)

1. Nizhne-Tagil'skiy zavod plastmass i Nauchno-issledovatel'skiy institut po stroitel'stvu v g. Sverdlovske.

(Hardboard)

KRUGLIKOV, A.G.

Extra-large cities and urban agglomerations of the world in  
1959-1961. Vop. geog. no.66:197-204 '65.

(MIRA 18:6)

KRASILIKOV, A. M., SHAL'KEVA, A. K., GULAGIEVA, V. H., TITKOVA, A. I.,  
KUZNETSOV, A. A., POMEROVSKAYA, E. V., POPOVA, E. V., LYADENKO, V. D.

"The sources of leptospirosis infection in nature (according to  
the Stavropol' region materials)." p. 154

Deyatoye Sovershchaniye po parazitologicheskim problemam i  
prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference  
on Parasitological Problems and Diseases with Natural Foci 22-29  
October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences  
USSR and Academy of Sciences USSR, No. 1 254pp.

Inst. of Vaccines and Sera and Regional Sanitary-Epidemiological Station/Stavropol'

L 07057-67 ENT(m) JR

ACC NR: AF6021633

SOURCE CODE: UR/0089/66/020/003/0275/0277

AUTHOR: Novikov, S. R.; Konopleva, R. F.; Kruglikov, A. N.; Nazarenko, A. N.

41  
37  
B

ORG: none

TITLE: Low temperature channel of the VVR-M reactor of the Physicotechnical Institute,  
AN SSSR

SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 275-277

TOPIC TAGS: LIQUID NITROGEN, NUCLEAR REACTOR COOLANT, NUCLEAR REACTOR,  
nuclear reactor component, irradiation apparatus, research reactor/  
VVR-M reactor

ABSTRACT: The authors describe a through channel in which the samples are cooled with cold gaseous nitrogen. This makes it possible to employ ordinary commercial liquid nitrogen, and also to reload the samples and to vary their temperature in simple fashion. The reason why liquid nitrogen cannot be used for this purpose is briefly discussed. The cold nitrogen is fed from a liquid-nitrogen evaporator outside the reactor, flows through the cryostat channel, and is drawn out by a ventilating system. If the liquid nitrogen contains ~1% of argon, the activity of the radioactive Ar<sup>41</sup> does not exceed 5 millicurie/hr at a reactor power of 10 MW. The construction of the installation (Fig. 1) and the method of manipulating the samples are described. The channel described was installed in the VVR-M reactor in March 1964, and apart from accidental loss of hermeticity, which was later eliminated, it withstood many tests with large temperature differentials. Besides the simplicity of construction and

Cord 1/2

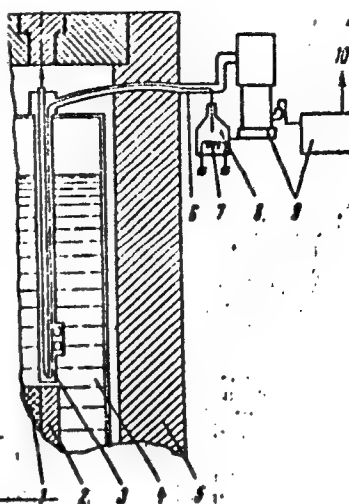
UDC: 621.039.572

L 07027-42

ACC NR: AP602163

Fig. 1. Equipment for low-temperature irradiation.

1 - Active zone, 2 - beryllium reflector, 3 - cryo-static channel, 4 - water in reactor tank, 5 - shield, 6 - nitrogen pipe, 7 - heater, 8 - evaporator vessel, 9 - vacuum pumps, 10 - special ventilation.



possibility of using commercial liquid nitrogen, another advantage is the wide range of variation of the temperature. A shortcoming is the large consumption of liquid nitrogen when temperatures of the order of 100K are obtained. The authors thank the operating crew of the reactor for help, and are especially indebted to designers A. L. Voinov and L. D. Baranova for participating in the development of units of the apparatus, and mechanics G. I. Pastalak and A. F. Klement'yev for installing the apparatus in the reactor. Orig. art. has: 3 figures.

SUB CODE: 18/ SUBM DATE: 04Sep65/ OTH REF: 005

Card 2/2 LC

KOZHAKHMETOV, D.B.; KRUGLIKOV, A.P.

Studies on the parameters of trackless conveying machines in the  
mine of Novomoskovsk Gypsum Combine. Trudy Inst. gor. dela AN  
Kazakh. SSR 17:84-92 '65. (MIRA 18:9)

KRUGLIKOV, A. V.

137-58-4-7016

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 102 (USSR)

AUTHOR: Kruglikov, A. V.

TITLE: On the Manufacture of Economical Types and Sections of Rolled Metal (O proizvodstve ekonomichnykh vidov i profiley prokata)

PERIODICAL: V sb.: Ratsionalizatsiya profiley prokata. Moscow, Proizdat, 1956, pp 373-376

ABSTRACT: It is pointed out that individual instances of successful work in developing sections (S) of irregular cross sections have not attained widespread dissemination in view of the fact that the Ministry of Ferrous Metallurgy of the USSR is not concerning itself with the problem of organizing this type of production. As early as 1947, a mill for the rolling and drawing of flange S of variable cross section for the USSR Ministry of the Aviation Industry was set up, at the "Serp i molot" ("Hammer and Sickle") plant, and one of the plants under that ministry is successfully operating a mill to roll sheets of variable cross section (designed by TsNIITMash). Ship building, railway rolling-stock construction erection of machinery for the coal-mining industry, and other fields provide a large demand for S of this type. The technical

Card 1/2

137-58-4-7016

On the Manufacture of Economical Types and Sections of Rolled Metal

administrations of the Ministry of Ferrous Metallurgy and of GIPROMEZ have not determined the needs of the national economy for various S, and particularly for bent S for scraper conveyers in the coal industry, and have not issued the required catalogs and specifications indicating the S requiring development in the next few years. Technical specifications for delivery of structural carbon and alloy steel usually indicate excessively low guarantees for mechanical properties. There is an immediate need for organizing the production of cold-drawn metal for automatic cold upsetting machines, and the production of square, round, and oval S of intermediate dimensions not specified in the GOST (All-Union State Standards), and also the production of cold rolled S. This would free a number of machine building plants from unprofitable semi-handicraft production of these S.

V. F.

1. Rolling mills--Production    2. Metals--Rolling--Economic aspects

Card 2/2



ZAK, P.S.; ZHURAVLEV, V.L.; ROMANOV, V.A., otv.red.; SADOV, N.T.,  
red.; GOTOVTSEV, A.A., red.; GRINBERG, A.Ya., red.; ZUEV, V.T.,  
red.; KOGAN, A.M., red.; KRUGLIKOV, A.V., red.; RYBUN, K.K.,  
red.; NAZIMOV, N.M., red.; NEYMARK, A.M., red.; NOTYAKHOV, M.A.,  
red.; SPEVAK, V.Ya., red.; TENENBAUM, M.M., red.; SHNEIDER, E.I.,  
red.; ALADOVA, Ye.I., tekhn.red.; SHKLYAR, S.Ya., tekhn.red.

[Design and manufacture of globoid gears] Proektirovanie i  
izgotovlenie globoidnykh peredach. Moskva, Ugletekhizdat, 1958.  
87 p. (Tekhnologiya ugol'nogo mashinostroeniya, no.2).

(MIRA 13:2)

(Gearing)

KRUGLIKOV, A.V.

Making welded, highly resistant pitch chains for scraper conveyers. Tekh.ugol.mash. no.1:5-10 '58. (MIRA 12:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-tekhnologicheskiy institut ugol'nogo mashinostroyeniya.  
(Conveying machinery) (Chains--Welding)

PHASE I BOOK EXPLOITATION

SOV/4138

Kruglikov, Abram Vladimirovich, Candidate of Technical Sciences, and V.A. Romanov  
Proizvodstvo vysokoprochnykh svarnykh tyagovykh tsepey; sovremennoye sostoyaniye  
i perspektivy razvitiya (Manufacture of High-Strength Welded Hoisting Chains;  
Present State and Future Development) Moscow, 1959. 58 p. 1,000 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Otdel nauchno-tekhnicheskoy informatsii  
VINITI. Sektor mashinostroitel'noy promyshlennosti; Gosudarstvennyy nauchno-  
tekhnicheskiy komitet Soveta ministrov SSSR.

Tech. Ed.: N.G. Goncharov.

PURPOSE: This booklet is intended for technical personnel dealing with the manu-  
facture of hoisting chains.

COVERAGE: The author describes methods and machinery used in the manufacture of  
studded and unstudded hoisting, crane, and conveyer chains in the Soviet Union and  
other countries. He deals mainly with automatic manufacturing processes of weld-  
ed pitch chains for the mining industry. No personalities are mentioned.

Card 1/3

Manufacture of High-Strength Welded Hoisting Chains (Cont.) SOV/4138

There are 19 references: 7 German, 6 Soviet, 5 English and 1 Czech.

TABLE OF CONTENTS:

I. Field of application of circular cross-section link chains, and the engineering specifications for their manufacture	3
II. Manufacture of chains, and chain-making equipment in Soviet plants	9
III. Automatic line for manufacturing chains of 19 to 40 mm [bar diameter]	15
IV. Welded hoisting chains in the mining industry	19
V. Manufacture of hoisting, high strength pitch chains in the Soviet Union	21
VI. Manufacture of electric-welded chains outside the Soviet Union	27
VII. Improvements in the manufacture processes and equipment for making welded hoisting chains	40
VIII. Selecting the manufacturing method for the production of high strength pitch chains for the coal mining industry	54

Card 2/3

ACC NR: AP7004811

SOURCE CODE: UR/0413/67/000/001/0169/0169

INVENTOR: Tselikov, A.M.; Shor, E.R.; Rokotyan, Ye.S.; Kruglikov, A.V.;  
Gurevich, A.Ye.

ORG: none

TITLE: Two or four-high mill for rolling variable-section sheets and  
strips. Class 7, No. 87892

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no.1,  
1967, 169

TOPIC TAGS: metal rolling, ~~steel alloy rolling, metal~~ rolling mill

ABSTRACT: This Author Certificate introduces a two or four-high mill for rolling  
one or two-way wedge-shaped sheets and strips from steel and light  
alloys by means of changing the working rolls' spacing. To increase  
rolling mill efficiency, a powerful automatic pressure device is used  
which ensures a constant relation between the rotation speed of the  
screw-down drives and the working rolls. [AZ]

SUB CODE: 13/ SUBM DATE: 11Mar49/ ATD PRESS: 5116

Card 1/1

UDC: none

18

ca

Sodium hydrosulfide. V. P. Il'inskiĭ, A. E. Kruglikov  
and A. S. Isotova. Russ. 46,547, April 30, 1936. Molten  
 $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$  is treated with  $\text{H}_2\text{S}$ .

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

18

Decreasing the content of sodium sulfate in vacuum salt. A. V. Vasserberg and A. E. Kruglikov. *Synth. Technol. Nouch. Iskhodn. Subst. Lab.* 1939, No. 8, 12-30; *Khim. Referat. Zh.* 1940, No. 8, 86. —  $\text{Na}_2\text{SO}_4$  appears in vacuum salt as the result of purifying the salt brine with lime-sulfate-soda, or with soda, and is caused by the mother liquor remaining after its sepa., during the dehydration stage in the centrifuge. The usual  $\text{Na}_2\text{SO}_4$  content in the final product is 0.2-4.0%.  $\text{Na}_2\text{SO}_4$  can be removed only by enriching the salt by washing. On washing the salt with crude brine, the  $\text{Na}_2\text{SO}_4$  decreases to 0.01-0.05%; if refined brine is used the content is 0.001-0.01%. During washing, the salt losses are 0.7-1.4%. Washing the salt decreases the  $\text{Na}_2\text{SO}_4$  content by 70-90% and improves the color. W. M. H.

ASB-22A METALLURGICAL LITERATURE CLASSIFICATION

105490 N17 DIV 801

105490 N17 DIV 801





HERGLIN, A. Ye.

"Investigation of the Process of the Carbonization of Sodium Sulfide  
Solutions in the Reprocessing of Sodium Sulfate to Soda and Sulphur Cand Tech Sci,  
State Order of Labor Red Banner Inst of Applied Chemistry (GIPKh), Min Chemical  
Industry USSR, Leningrad, 1955. (KL, No 12, Mar 55)

So: Sum. No 6/0, 29 Sept 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions (15)

SEREZHENKO, I.T.; KRUGLIKOV, B.A., veterinarnyy vrach

Elimination of the paratyphoid of baby pigs. Veterinariia 37  
no.8:42-44, Ag '60. (MIRA 15:4)

1. Glavnyy veterinarnyy vrach Novo-Usmanskogo rayona, Voronezhskoy oblasti (for Serezhenko). 2. Novo-Usmanskaya rayonnaya veterinarnaya lechebnitsa Voronezhskoy oblasti (for Kruglikov).  
(Novaya Usman' District--Paratyphoid fever)  
(Swine--Diseases and pests)

CHUISTOV, V.M., kand. ekon. nauk; CHERNENKO, M.S.; KRASNOKUTSKAYA,  
O.I. [Krasnokuts'ka, O.I.]; DROSOVSKAYA, L.I. [Drosova'ska, L.I.];  
MOKIYENKO, B.F.; DARACAN, M.V. [Darahan, M.V.]; OGANYAN, G.A.  
[Ohanian, H.A.]; TERESHCHENKO, I.P.; KRUGLIKOV, B.I. [Kruhlikov,  
B.I.]; KOROID, O.S., otv. red.; IVAN'KOV, M.D., red.;  
KADASHEVICH, O.O. [Kadashevych, A.A.], tekhn. red.

[Socialist reproduction of the means of production] Sotsiali-  
stychne vidtvorennia. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 298 p.  
(MIRA 15:12)

1. Akademiya nauk URSS, Kiev. Instytut ekonomiky. 2. Chlen-  
korrespondent Akademii nauk Ukr. SSR (for Koroid). 3. Institut  
ekonomiki Akademii nauk Ukr. SSR (for all except Koroid, Ivan'kov,  
Kadashevich).

(Economics)

TREFILOV, A.A.; IVANOV, D.P., veterinarnyy vrach; KRUGLIKOV, B.P.; VOVK, A.M.,  
mladshiy nauchnyy sotrudnik; VEGLINA, M.P., veterin.vrach; BULATOV, Ya.P.

Veterinary preparations and equipment. Veterinariia 41 no.3:94-104  
Mr '64. (MIRA 18:1)

1. Nachal'nik otdela zooveterinarnykh tovarov Soyuznogo tresta po  
snabzheniyu sel'skogo khozyaystva veterinarno-zootekhnicheskim  
oborudovaniyem, instrumentariyem i medikamentami (for Trefilov).
2. Ministerstvo sel'skogo khozyaystva Belorusskoy SSR (for Ivanov).
2. Zaveduyushchiy khimicheskim otdelom Ivanovskoy oblastnoy veterinar-  
noy laboratoriyey (for Bulatov). 4. Zaveduyushchiy radiologicheskim  
otdelom Ivanovskoy oblastnoy veterinarnoy laboratoriyey (for Kruglikov).
5. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy  
veterinariii (for Vovk).

Indicator method for studying the function of the thyroid gland.  
(MIRA 18:3)  
Veterinariia 41 no.2:69-71 F '65.

1. Ivanovskaya oblastnaya veterinarnaya laboratoriya.

KRUGLIKOV, E. S., Eng.

Lightning Arresters

Device for inspecting tube arrester. Rab. energ. 2, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December <sup>1952</sup> ~~1953~~, Unclassified.

ABRAMOV, E.A., kand.istor.nauk; KRUGLIKOV, F.V., kand.istor.nauk;  
ROZENSHTEYN, A.L., kand.istor.nauk; VASIL'YEV, A.V., nauchnyy  
red.; VOROB'YEV, G.S., red.izd-vs; GURDZHIYEVA, A.M., tekhn.  
red.

[Brigades of communist labor] Brigady kommunisticheskogo  
truda. Leningrad, Ob-vo po rasprostraneniю polit. i nauchnykh  
snanii RSFSR, Leningr.otd-nis, 1959. 46 p. (MIRA 13:2)  
(Socialist competition) (Efficiency, Industrial)

KHRUSHCHOV, N.G.; BRODSKIY, V.Ya.; KRUGLIKOV, G.G.

Cytospectrophotometric and autoradiographic determination  
of DNA in giant cell nuclei of foreign bodies. TSitologiya  
5 no.6:676-679 N-D '63. (MIRA 17:10)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova AN  
SSSR i Institut morfologii cheloveka AMN SSSR, Moskva.



TITKOV, N.P.; BOGDANOVA, Z.S.; KRUGLIKOV, M.M.; OZOLIN, L.T.; PAYLOVA, K.S.;  
SHAPIRO, R.B.

Research carried on by the Institute of Mechanical Mineral  
Processing on iron ore dressing. Obog. rud 2 no.5:42-50  
' 57. (MIRA 11:11)  
(Metallurgical research) (Iron ores) (Ore dressing)

KRUGLIKOV, M.M., inzh.

Preparation of Leningrad Province quartz sands. Trudy Mekhanobr  
no.102:293-302 '57. (MIRA 11:9)  
(Leningrad Province--Sand) (Ore dressing)  
(Magnetic separation of ores)

KRUGLIKOV, M.M.

Prospects for the dressing of Kerch deposit iron ores. Obog.  
rud 6 no. 43-8 '61. (MIRA 15:1)  
(Kerch Peninsula---Iron ores)  
(Ore dressing)

KRUGLIKOV, N.

Surface ensilage is practical. Nauka i pered.op. v sel'khoz. 8  
no.11:34 N '58. (MIRA 11:12)

1. Predsedatel' kolkhosa "Dal'nevostochnyy kolkhosnik," Smidovicheskogo  
rayona, Khabarovskogo kraya.  
(Ensilage)

KRUGLIKOV, N.A.

Improving the detonator of the TSh torpedo. Razved. i prom.  
geofiz. no.40:96 '61. (MIRA 15:7)  
(Komi A.S.S.R.—Oil fields—Equipment and supplies)

ANIKIYEV, Kirill Aleksandrovich; GINTSBURG, V.I., vedushchiy red.;  
KRUGLIKOV, N.M., red.

{Unusually high reservoir pressures in oil and gas fields.}  
Anomal'no-vysokie plastovye davleniia v neftiannykh i gazovykh  
mestorozhdeniakh. Leningrad, Nedra, 1964. 166p.  
(Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii  
geologorazvedochnyi institut. Trudy, no.233).

(MIRA 17:10)

NALIVKIN, V.D.; DEDEYEV, V.A.; IVANTSOVA, V.V.; KATS, Z.Ya.; KRUGLIKOV, N.M.;  
LAZAREV, V.S.; SVETCHNIKOV, G.P.; CHERNIKOV, K.A.; SHABLINSKAYA, N.V.;  
Prinimal uchastiye: ZHABEV, I.P.; ROZANOV, L.N.; SOFRONITSKIY, P.A.;  
KHAIN, V.Ya.; SIMONENKO, T.N.; SOKOLOV, V.N.; YAKOVLEV, O.N., gidrogeolog

[Comparative analysis of the oil and gas potential and the tectonics  
of the West Siberian and Turan-Scythian platform.] Sravnitel'nyi  
~~analiz~~ naftogazozhiznosti i tektoniki Zapadno-Sibirskoi i Turano-  
Skiiskoi plit. Leningrad; Nedra, 1965. 322 p. (Leningrad.  
Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi  
institut, Trudy, no.236) (MIRA 18:6)

KRUGLIKOV, Nikolay, Mikhaylovich; YAKUTSENI, V.P., red.

[Hydrology of the northwestern margin of the West Siberian artesian basin.] Gidrogeologiya severo-zapadnogo borta Zapadno-Sibirskogo artezianskogo basseina. Leningrad, Nedra, 1964. 165 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.238). (MIRA 18:6)



KRUGLIKOV, N.M.

Geothermal role of the movement of underground waters.  
Trudy VNIIGRI no.220. Geol. sbor. no.8:260-272 '63.  
(MIRA 17:3)

KRUGLIKOV, N.M.

Hydrogeological conditions in the Berezovo area. Trudy  
VNIGRI no.140:296-311 '59. (MIRA 13:6)  
(Berezovo region(Tyumen' Province)--Water, Underground)

KRUGLIKOV, N.M.

Formation of gas fields in the Berezovo region. Trudy VNIGRI no.225:  
256-280 '63. (MIRA 17:3)

TORGOVANOVA, V.B.; DUBROVA, N.V.; KRUGLIKOV, N.M.; LOZOVSKIY, M.R.; POMARNATSKIY, M.A.; KROTOVA, V.A.; nauchnyy red.; DOLMATOV, P.S., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Paleozoic and Mesozoic waters and gases in Western Siberia]  
Vody i gazy paleozoiskikh i mesozoiskikh otlozhenii Zapadnoi Sibiri. Leningrad, Gos.nauchn.-tekhn.izd-vo nef. i gorno-topl. lit-ry leningr. otd-nie, 1960. 459p. (Leningrad, Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 159) (MIRA 14:3)

(Siberia, Western—Water, Underground)

(Siberia, Western--Gas, Natural)

S/009/60/000/008/003/005  
B027/B076

AUTHORS: Kruglikov, N. M., Sverchkov, G. P.  
TITLE: Reservoir rocks of the West Siberian Lowland  
PERIODICAL: Geologiya nefti i gaza, <sup>4</sup>no. 8, 1960, 18-23

TEXT: For the estimation of oil and gas prospects in the West Siberian Lowland, reservoir rocks play a decisive part. A map of the reservoir rocks in the Jurassic and Lower Cretaceous deposits in the southeast part of the Lowland was plotted by the research workers A. K. Shilin, T. I. Gurova, E. S. Rabikhanukayeva, and others. The opinion of these research workers that the accumulation of these deposits is bound to improve toward the center of the Lowland does not agree with the results of the geophysical and hydrogeological investigations based on drilling. The authors of this article therefore took the productivity coefficient (K) of borings, taking into consideration all other values (porosity, permeability, etc.) as a basis for the characteristics of the rocks. For the plotting of maps the mean values K typical of a certain area were

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Reservoir rocks of the West Siberian Lowland

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taken; thus interesting horizons from which frequently no core samples have been taken are covered by the map as well. Promising reservoir rocks exist in the region of Tyumen' and Omsk in the continental facies of Middle Jurassic and seem to extend in a narrow strip till Berezovo. Very promising reservoir rocks are on the periphery of the Lowland over a wide area and show the highest productivity values (Turinsk, Omsk, Petropavlovsk). A very favorable region lies also between the rivers Ob' and Irtysh, in the basin of the river M.Sos'va, in the middle course of the river Konda and in the middle and lower courses of the river Vakh. There are 2 figures and 4 Soviet-bloc references.

ASSOCIATION: VNIGRI (All-Union Petroleum Scientific Research Institute of Geological Exploration)

Card 2/2

KRUGLIKOV, N.V., polkovnik meditsinskoy sluzhby; IVANOV, G.T., kand.med.nauk,  
podpolkovnik meditsinskoy sluzhby; IGNAT'YEV, Ye.I., dotsent, podpol-  
kovnik meditsinskoy sluzhby

Organization of first aid for wounded, their collection and evacuation  
in modern mobile warfare. Voen-med.zhur. no.8:11-16 Ag '59.

(MIRA 12:12)

(WOUNDED AND SICK)

KRUGLIKOV, R.I.

Some functional characteristics of higher parts of the central nervous system in adult rabbits subjected to ionizing radiation during the antenatal period of development. Dokl. AN SSSR 135 no.1:225-228 Y'60. (MIRA 13:11)

1. Institut vysshey nervnoy deyatel'nosti AN SSSR, Predstavleno akademikom A.N.Bakulevym.

(X RAYS--PHYSIOLOGICAL EFFECT) (EMBRYOLOGY--MAMMALS)  
(CONDITIONED RESPONSE)



ZRUGLIKOV, R. 1.

Cand Med Sci - (diss) "Several features of the functions of the upper sections of the central nervous system of domestic rabbits, subjected to radiation of ionizing rays in the period of antenatal growth." Moscow, 1961. 18 pp; (Inst of Normal and Pathological Physiology of the Academy of Medical Sciences USSR); 250 copies; free; (KL, 7-61 sup, 260)

S/636/61/000/000/006/013  
D298/D303

AUTHOR: Kruglikov, R.I.

TITLE: Certain characteristics of the non-conditional and conditional-reflex activity in the ontogenesis of rabbits, irradiated in the embryonic period

SOURCE: Piontkovskiy, I.A. Vliyaniye ioniziruyushchego izlucheniya na funktsiyu vysshikh otdelov tsentral'noy nervnoy sistemy potomstva. Moscow, Medgiz, 1961, 102 - 113

TEXT: The non-conditional and conditional-reflex activity in ontogenesis was investigated in rabbits, subjected to antenatal irradiation on the 23rd day of embryonic development. A 400 r X-ray dose was given, using the PYM -3 (RUM-3) X-ray tube - (190 kv, 15 ma, 1 mm aluminum and 0.5 mm copper filters, 16.5 r/min dose energy). Observations of the weight, of maturity, the orientation reflex to sound and mobility were made on 3 or 6-day-old baby rabbits. The conditional reflexes were studied according to the A.A. Volokhov and Y.A. Obrastsova method (1953). An alternating current of three-

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D298/D303

shold force was used as the non-conditional exciter. The mobility was tested on the 20th day of life by counting the number of movements in 10 minutes. A total of 20 experimental and 14 control animals were investigated. Results showed that the average weight of the experimental rabbits was 68.2 % of the normals at the 5th day and 74.3 % at the 70th day of life. The vitality of the former was sharply reduced and specialized non-conditional reactions - washing, licking, scratching - were maintained for longer periods of time. A clearer presentation of the latter reactions in the experimental rabbits and their presence at a later age than in the normals indicated a weakening of the inhibiting effect of the cortex on the subcortex. The absence of conditional reflexes in the experimental animals, the stiffening phenomenon and a lowering of non-conditional reflexes are evaluated as a destruction of the higher nerve activity with respect to inhibition. The author concludes from obtained data that irradiation of rabbits on the 23rd day of embryonic development, using a 400 r dose, causes an impairment of the general development and disruption of the functioning of the higher segments of the central nervous system in the post-

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natal period. Experimental results on the strengthening of the positive conditional reflexes, formation and strengthening of the differentiation, attenuation periods of specialized non-conditional reactions, all showed a delay in the cortex development of the experimental animals compared to the normals. An earlier occurrence of the orientation reflex to sound and conditional shaking off reflex in the experimental animals are considered the result of a general stimulation increase. A strengthening of the conditional shaking off reflex to sound occurred later in the experimental animals, than in the normals. A slower strengthening of the positive conditional reflex in the experimental animals indicated a break in their connecting function of the cortex which, in turn, is connected with a delay in the latter's development under the effect of antenatal irradiation. Obtained data further indicated, in addition to an elevated stimulation of the experimental animals, also a tendency of their stimulating process to extensive irradiation. Generalized overall mobility reactions are prevalent in the experimental animals. The inhibiting process in the latter showed a tendency toward irradiation of the cortex, reflected in a large number

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